

ABSTRACT OF THE DISCLOSURE

A receiver based on a RAKE receiver architecture includes a logic circuit configured to assign one or more RAKE fingers to a finger placement grid that is independent from a searcher delay grid used by the receiver's searcher in generating multipath delay profiles for received signals. The logic circuit may use the multipath delay profile to "tune" the finger placement grid relative to the searcher delay grid but the delay resolution of the finger placement grid is independent of the searcher delay grid. This independence permits, for example, setting the finger placement grid to a delay resolution based on a Nyquist criterion independently from the delay resolution used by the searcher. The receiver may use two or more finger placement grids, may operate in a mixed mode where fingers are assigned on- and off-grid, and may operate selectively in grid or non-grid modes.